DOE NEPA Tracking Number

U. S. DEPARTMENT OF ENERGY, OFFICE OF SCIENCE

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)
ENVIRONMENTAL EVALUATION NOTIFICATION

To be completed by "Applicant," i.e., organization with responsibilities for a "Federal action" involving application to DOE for a permit, license, exemption or allocation, or other similar actions. For assistance, refer to "Instructions for Preparing Environmental Evaluation Notification."

Solicitation/Award No. (if applicable): DE-FOA-0003177

Organization Name: General Atomics

Proposed Action Title: Funding Extension - DIII-D National Fusion Facility (Research and Operations) Program, and Additional General Atomics Support for the U.S. DOE's Fusion Energy Sciences Program

Total DOE Funding/Total Funding: $302,595,621

I. Project Description: ***(Use explanation pages if additional space is required)***

A. Proposed Project/Action (if applicable, delineate Federally funded/Non-Federally funded portions)

This proposal is for a 3-year extension (2025-2028) to Cooperative Agreement DE-FC02-04ER54698. The proposal includes General Atomics' role as host and operator of the DIII-D National Fusion Facility, a US Department of Energy, Office of Science user facility under the Fusion Energy Sciences program. Performance of the FES Materials research program is also covered under this proposal. The DIII-D Research Plan was developed by the entire DIII-D team, consisting of over 600 scientific and technical staff from nearly 100 worldwide institutions that carry out research at the DIII-D National Fusion Facility.

B. Would the project proceed without Federal funding? Yes ☐ No ☑

If "yes," use explanation page.

II. Description of Affected Environment: ***(Use explanation pages if additional space is required)***

The research conducted as part of this proposal will be carried out in an existing dedicated building on the General Atomics (GA) Torrey Pines campus in San Diego, California. Approximately 75 staff supporting operation of the DIII-D facility work in, or in close proximity to this building. DIII-D operations and scientific research will be conducted in a similar manner to the previous period of performance and involves fusion research on an existing experiment not using tritium as fuel. As a private company operating in San Diego, GA conducts all activities in accordance with all city, State and Federal laws and regulations.

III. Preliminary Questions:

		Yes	No
A.	Is the DOE-funded work routinely administrative or *entirely* advisory or a "paper study?"	☐	☑

If "Yes", ensure that the description in Section I reflects this and go directly to Section V.

B. Is there any potential whatsoever for: (***Provide an explanation for each "Yes" response)***

1.	Work to be performed outdoors?	☑	☐
2.	Major modification of a building facade or interior?	☐	☑
3.	Threat of violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health?	☐	☑
4.	Siting, construction or major expansion of waste treatment, storage, or disposal facilities?	☐	☑
5.	Disturbance to hazardous substances, pollutants, or contaminants preexisting in the environment?	☐	☑
6.	The presence of any environmentally-sensitive resources?	☐	☑
7.	Any potential whatsoever for high consequence impacts to human health or the environment?	☐	☑
8.	The work being connected to another existing/proposed activity that could potentially create a significant impact?	☐	☑
9.	Nearby past, present, and/or reasonably foreseeable future actions such that collectively significant impacts could result?	☐	☑
10.	Scientific or public controversy, uncertainty over potential impacts, or conflicts regarding resource usage?	☐	☑

If "No" to ALL Section III.B. questions, go directly to Section V.

IV. Potential Environmental Effects: (***Provide an explanation for each "Yes" response)***

A. Environmentally Sensitive Resources: Could the proposed action potentially result in changes and/or disturbances to any of the following resources?

		Yes	No
1.	Threatened/Endangered Species and/or Critical Habitats	☐	☑
2.	Other Protected Species (e.g., Burros, Migratory Birds, Pollinators)	☐	☑
3.	Tundra, Coral Reefs, or Rain Forests	☐	☑
4.	Cultural or Historic Resources	☐	☑
5.	Important Farmland	☐	☑
6.	Non-Attainment Areas for Ambient Air Quality Standards	☐	☑
7.	Class I Air Quality Control Region	☐	☑
8.	Special Sources of Groundwater (e.g., Sole Source Aquifer)	☐	☑
9.	Navigable Air Space	☐	☑
10.	Coastal Zones	☑	☐
11.	Areas with Special National Designation (e.g. National Forests, Parks, Trails)	☐	☑
12.	Floodplains and/or Wetlands	☐	☑

B. Regulated Substances/Activities: Would the proposed action involve any of the following regulated Items or activities?

13.	Natural Resource Damage Assessments	☐	☑
14.	Invasive Species or Exotic Organisms	☐	☑
15.	Noxious Weeds	☐	☑
16.	Clearing or Excavation greater than one acre or Removal of Trees Governed by Local Requirement	☐	☑
17.	Dredge or Fill (under Clean Water Act, Section 404, greater than one acre)	☐	☑

B. Regulated Substances/Activities: Would the proposed action involve any of the following regulated Items or activities? (*continued*)

		Yes	No
18.	Noise (in excess of regulations)	☐	☑
19.	Asbestos Removal	☐	☑
20.	Polychlorinated biphenyls (PCBs)	☐	☑
21.	Import, Manufacture, or Processing of Toxic Substances	☐	☑
22.	Chemical Storage/Use Including Emerging Chemicals (e.g., PFAS)	☑	☐
23.	Pesticide Use	☐	☑
24.	Hazardous, Toxic, or Criteria Pollutant Air Emissions	☐	☑
25.	Liquid Effluents	☐	☑
26.	Spill Prevention/Surface Water Protection	☑	☐
27.	Underground Injection	☐	☑
28.	Hazardous Waste	☑	☑
29.	Underground Storage Tanks	☐	☑
30.	Radioactive or Radioactive Mixed Waste	☑	☐
31.	Radiation Exposure	☑	☐
32.	Nanoscale Materials	☐	☑
33.	Genetically Engineered Microorganisms/Plants or Synthetic Biology	☐	☑
34.	Ozone Depleting Substances	☐	☑
35.	Off-Road Vehicles	☐	☑
36.	Biosafety Level 3-4 Laboratory	☐	☑
37.	Research on Human Subjects or other Vertebrate Animals	☐	☑
38.	Facility footprint exceeds 5,000 Square Feet	☑	☐

C. Other Relevant Information: Would the proposed action involve the following?

		Yes	No
39.	Existing, Modified, or New Federal/State Permits	☑	☐
40.	Involvement of Another Federal Agency (e.g. license/permit, funding, approval)	☐	☑
41.	Action in a State with NEPA-type law	☑	☐
42.	Action Would Require Expansion of Public Utilities/Services	☐	☑
43.	Depletion of a Non-Renewable Resources	☐	☑
44.	Subject to an Existing Institutional Work Planning and Control Process	☑	☐
45.	Other Pertinent Information Which Could Impact Human Health or the Environment	☐	☑

V. Applicant certification that to the best of their knowledge all information provided on this Notification is accurate:

	Yes	No
Does this disclosure contain: classified, sensitive business, or other exempt information that DOE would not be obligated to disclose pursuant to the Freedom of Information Act.	☐	☑

A. Organization Official (Name and Title): Carlos Munoz, Sr. Contract Administrator

Signature: Carlos Munoz Digitally signed by Carlos Munoz Date: 2025.07.23 10:58:55 -07'00' Date: 7/23/2025

e-mail: carlos.munoz-pelaez@ga.com Phone: 858-455-2364

B. Optional Secondary Approval (Name and Title): _____

Signature: _____ Date: _____

e-mail: _____ Phone: _____

DOE NEPA Tracking Number

Remainder to be completed by DOE

VI. DOE Concurrence/Recommendation/Determination:

A. DOE Project Director/Program Manager or Contract/Grant Management Specialist:

	Yes	No
Has the Applicant completed this Notification correctly?	☑	☐
Does an existing generic categorical exclusion apply?	☐	☑

If yes, indicate: _____

Name and Title: Matthew Lanctot, Program Manager for DIII-D User Facility

Signature: MATTHEW LANCTOT Digitally signed by MATTHEW LANCTOT Date: 2025.07.23 15:43:30 -04'00' Date: _____

B. DOE NEPA Team Review (if requested):

	Yes	No
Is the class of action identified in the DOE NEPA Regulations (Appendices A-D to Subpart D (10 CFR § 1021))?	☑	☐

If yes, specify the class(es) of action: B3.6, B3.13

Name and Title: _____

Signature: _____ Date: _____

C. DOE Counsel (if requested):

Name and Title: _____

Signature: MICHELLE MCKOWN Digitally signed by MICHELLE MCKOWN Date: 2025.07.24 15:36:22 -05'00' Date: _____

D. DOE NEPA Compliance Officer:

The preceding pages are a record of documentation required under DOE Final NEPA Regulation, 10 CFR § 1021.410.

☑ Action may be categorically excluded from further NEPA review. I have determined that the proposed action meets the requirements for Categorical Exclusion referenced above.

☐ Action requires approval by Head of the Field Organization. Recommend preparation of an Environmental Assessment.

☐ Action requires approval by Head of the Field Organization or the SC Director of Field Operations. Recommend preparation of an Environmental Impact Statement.

Comments/limitations if any:

This replaces previously approved 8/1/2024 CX for Funded Extension: Award Number DE-FC02-04ER54698, which is the same award as DE-FOA-0003177 noted on Page 1 above. Scope and impacts remain the same and the same CX numbers are applied.

NEPA Compliance Officer:

Name: _____

Signature: JAYASHREE JAYARAJ Digitally signed by JAYASHREE JAYARAJ Date: 2025.07.24 15:56:29 -05'00' Date: _____

Optional Additional Narrative: (add additional detail to description to Sections I and II or explanations to responses in Sections 3 and 4.